

Location	Gold King Mine Discharge			
	8/10/2015		8/13/2015	
DISSOLVED METALS				
Aluminum (ug/L)	35000		36000	
Antimony (ug/L)	0.5	J	10	
Arsenic (ug/L)	3.7		140	
Barium (ug/L)	8.9		12	
Beryllium (ug/L)	11		11	
Cadmium (ug/L)	65		66	B
Calcium (ug/L)	380000		360000	
Chromium (ug/L)	2.7		8.6	
Cobalt (ug/L)	110		110	
Copper (ug/L)	6000	E	6100	E
Iron (ug/L)	120000		370000	
Lead (ug/L)	32		78	
Magnesium (ug/L)	33000		26000	
Manganese (ug/L)	33000	E	34000	E
Mercury (ug/L)	0.08	U	0.08	U
Molybdenum (ug/L)	0.84	J	16	
Nickel (ug/L)	72		69	
Potassium (ug/L)	2700		2700	
Selenium (ug/L)	1.7	JB	4.8	
Silver (ug/L)	0.1	U	0.33	J
Sodium (ug/L)	3900		480	U L
Thallium (ug/L)	0.32		0.35	
Vanadium (ug/L)	2		87	
Zinc (ug/L)	25000	E	26000	E
TOTAL METALS AND MISC				
Alkalinity (mg/L)	NA		5	U
Aluminum (ug/L)	38000		36000	
Antimony (ug/L)	4.3		9.4	
Arsenic (ug/L)	49		130	B
Barium (ug/L)	9.5		11	B
Beryllium (ug/L)	11		11	
Cadmium (ug/L)	67		68	
Calcium (ug/L)	380000		380000	
Chloride (mg/L)	NA		0.34	J
Chromium (ug/L)	5.7		7	^
Cobalt (ug/L)	120		110	
Copper (ug/L)	6300	E	6000	E
Fluoride (mg/L)	NA		11	
Iron (ug/L)	190000		310000	
Lead (ug/L)	51		69	
Magnesium (ug/L)	28000		28000	
Manganese (ug/L)	34000	E	35000	E

Mercury (ug/L)	0.08	U	0.08	U
Molybdenum (ug/L)	4.8		14	
Nickel (ug/L)	74		70	
Nitrate as N (mg/L)	NA		0.023	U
pH	NA		3.06	HF
Potassium (ug/L)	2900		2700	
Selenium (ug/L)	2.5	^	4.3	B ^
Silver (ug/L)	0.15	J	0.3	J
Sodium (ug/L)	4000		4800	U
Sulfate (mg/L)	NA		1600	
Thallium (ug/L)	0.33		0.35	
Total Hardness (mg/L)	1100		1100	
Total Suspended Solids (r	66		NA	
Vanadium (ug/L)	44		71	E
Zinc (ug/L)	27000	E	26000	

NA	Not analyzed
E	Result exceeded sample range
U	The analyte was analyzed for but not detected
J	The result is less than the reporting limit but greater than or equal to the MDL and the con
^	Instrument related QC is outside acceptance limits

centration is an approximate value.

DISSOLVED METALS

8/10/2015

8/13/2015

Analyte	Result	Qualifier	Result	Qualifier
Aluminum (ug/L)	8500		11000	
Antimony (ug/L)	0.4 U		1.4	
Arsenic (ug/L)	0.37 U		13	
Barium (ug/L)	9.4		9.1	
Beryllium (ug/L)	3.4		3.6	
Cadmium (ug/L)	80		70 B	
Calcium (ug/L)	340000		340000	
Chromium (ug/L)	1 U		1.4 J	
Cobalt (ug/L)	100		93	
Copper (ug/L)	2800		1800	
Iron (ug/L)	63000		90000	
Lead (ug/L)	2.6		16	
Magnesium (ug/L)	26000		26000	
Manganese (ug/L)	30000 E		29000 E	
Mercury (ug/L)	0.08 U		0.08 U	
Molybdenum (ug/L)	0.64 J		2.2	
Nickel (ug/L)	58		55	
Potassium (ug/L)	2300		2300	
Selenium (ug/L)	0.58 U		3.1	
Silver (ug/L)	0.1 U		0.11 J	
Sodium (ug/L)	120000 E		150000 E	
Thallium (ug/L)	0.25		0.25	
Vanadium (ug/L)	0.3 U		9.7	
Zinc (ug/L)	22000 E		19000 E	
TOTAL METALS AND MISC				
Alkalinity	5 U		5 U	
Aluminum	21000		11000	
Antimony	1.3		1.3	
Arsenic	12		14 B	
Barium	9.5		9.3 B	
Beryllium	6.6		3.5	
Cadmium	79		71	
Calcium	340000		350000	
Chloride	0.9		2.8	
Chromium	2.6		1.1 J ^	
Cobalt	99		95	
Copper	3900 E		1800	
Fluoride	7.2		5.5	
Iron	99000		87000	
Lead	22		16	
Magnesium	26000		27000	
Manganese	29000 E		30000 E	
Mercury	0.08 U		0.08 U	

Molybdenum	1.6	2.3
Nickel	60	57
Nitrate as N	0.046U	0.023U
pH	4.59J	4.52HF
Potassium	2300	2400
Selenium	0.58U	3.9B ^
Silver	0.11J	0.11J
Sodium	120000E	140000
Sulfate	1400	1400
Thallium	0.27	0.27
Total Hardness	950	980
Vanadium	13	8.4
Zinc	21000E	20000E

NA	Not analyzed
E	Result exceeded sample range
U	The analyte was analyzed for but not detected
J	The result is less than the reporting limit but greater than or equal to the MDL and the con

centration is an approximate value.